Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/14/2020 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124279	-1	2.34	124427	2.30
Blue	F	SSC	125000	123534	-2	1.88	124359	1.92
Blue	E	FITC	15892	15388	-4	2.83	336	20.73
Blue	D	PE	29999	29731	-1	2.00	649	14.63
Blue	B	PerCP-Cy5-5	43732	43067	-2	3.73	1154	20.66
Blue	A	PE-Cy7	30845	30714	-1	6.24	586	40.66
Red	C	APC	46112	44777	-3	2.49	1584	12.01
Red	A	APC-Cy7	30458	29505	-4	2.39	781	12.06
Violet	B	V450	7918	7611	-4	4.50	429	12.99
Violet	A	V500	32171	31028	-4	4.27	724	10.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17316	11.60	628	7	N/A	N/A	Pass
Blue	F	SSC	56366	1.40	567	8	N/A	N/A	Pass
Blue	E	FITC	61	65.51	546	3	0.0184	119	Pass
Blue	D	PE	136	47.88	553	5	0.1565	229	Pass
Blue	B	PerCP-Cy5-5	213	49.42	658	2	0.0087	24	Pass
Blue	A	PE-Cy7	109	102.05	701	3	0.0111	21	Pass
Red	C	APC	376	25.48	586	2	0.0254	198	Pass
Red	A	APC-Cy7	173	28.24	558	2	0.0054	651	Pass
Violet	B	V450	65	56.48	457	-1	0.0490	1654	Pass
Violet	A	V500	108	32.79	473	-1	0.0252	791	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/14/2020 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.02	-32.54	1.05
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	17.31	13.60 - 20.40	N/A	N/A	29.84	30.32	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9647

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments